

Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An information terminal comprising,

a hardware processor;

a plurality of virtual machines which execute, on an OS (Operating System), one or more intermediate code programs that are programs represented by an intermediate code;

a resource limit value storing unit which stores a limit value of a computer resource which is usable by said virtual machine;

a process-when-violation-occurs-storing-unit which stores a process to be used to handle a case when a number of times that a virtual machine computer resource request exceeds a limit value for each combination of a virtual machine ~~and machine~~, computer resource, and violation count; and

a resource managing unit in which when a request for securing a resource is received from said virtual machine, the limit value stored in said resource limit value storing unit and assigned to said virtual machine which sends the request for securing a resource is referred to, and

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request₁ is lower than said limit value, said OS is requested to secure the computer resource in response to the request₁ ~~and request~~.

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is equal to or higher than said limit value, said OS is not requested to secure the computer resource in response to the request, and a number of times said virtual machine requests computer resource that is equal to or higher than a limit value, is incremented by 1, wherein:

said resource managing unit is so configured that,

~~if the computer resource that is available for said virtual machine by securing the computer resource in response to the request~~ if a number of times when said virtual machine requests said computer resource that exceeds said limit value is equal to or higher than said limit value violation count stored in said process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine and computer resource, refers to said process-when-violation-occurs-storing-unit, specifies a process to handle a case corresponding to a combination of the virtual machine sending said request and computer resource requested by said virtual machine, and executes the specified process to handle a case stored in said process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine, computer resource, and violation count, is executed.;

~~wherein at least one of: the plurality of virtual machines; the resource limit value storing unit; the process-when-violation-occurs-storing-unit; and, the resource managing unit, is effected at least in part by a hardware processor.~~

2. (Canceled)

3. (Currently Amended) A computer resource managing method for an information terminal, wherein said information terminal,

refers to a resource limit value storing unit which stores a limit value of the computer resource usable by a virtual machine, when a request for securing the resource is received from a plurality of virtual machines that execute, on an OS (Operating System), one or more intermediate code programs being a program represented by an intermediate code;

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is lower than said limit value, requests said OS to secure the computer resource in response to the request

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is equal to or higher than said limit value, does not request said OS to secure the computer resource in response to the request; and request, and a number of times said virtual machine requests computer resource that exceeds a limit value, is incremented by 1;

~~if the computer resource that becomes available for said virtual machine by securing the computer resource in response to the request~~ a number of times said virtual machine requests said computer resource that exceeds said limit value is equal to or higher than said limit value violation count stored in a process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine and computer resources, ~~refers to a process-when-violation-occurs-storing-unit to store a process to handle a case when a virtual machine requests computer resource exceeding limit value for each combination of a virtual machine and~~

~~computer resource, specifies the process to handle a case corresponding to a combination of the virtual machine sending said request and computer resource requested by said virtual machine, and executes the specified a process stored in a process-when-violation-occurs-storing-unit, to handle a case stored in said process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine, computer resource, and violation count, is executed.~~

4. (Canceled)

5. (Currently Amended) An information terminal comprising,
a hardware processor;

a plurality of virtual machines, with each virtual machine configured to sequentially execute, on an OS (Operating System), plural intermediate code programs that are each a program represented by an intermediate code;

a resource limit value storing unit which stores a limit value of a computer resource which is usable by said virtual machine;

a process-when-violation-occurs-storing-unit which stores a process to be used to handle a case when a number of times a virtual machine requests computer resource request exceeds a limit value for each combination of a virtual machine and machine, computer resource, and violation count; and

a resource managing unit in which when a request for securing a resource is received from said virtual machine, the limit value stored in said resource limit value storing unit and assigned to said virtual machine which sends the request for securing a resource, is referred to, and

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is lower than said limit value, said OS is requested to secure the computer resource in response to the request, and

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is equal to or higher than said limit value, said OS is not requested to secure the computer resource in response to the request, and a number of times said virtual machine requests computer resource that is equal to or higher than a limit value, is incremented by 1, wherein:

said resource managing unit is so configured that,

~~if the computer resource that is available for said virtual machine by securing the computer resource in response to the request~~ a number of times when said virtual machine requests said computer resource that exceeds said limit value is equal to or higher than said limit value violation count stored in said process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine and computer resource, refers to said process-when-violation-occurs-storing-unit, specifies a process to handle a case corresponding to a combination of the virtual machine sending said request and computer resource requested by said virtual machine, and executes the specified process to handle a case stored in said process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine, computer resource, and violation count, is executed.;

~~wherein at least one of: the plurality of virtual machines; the resource limit value storing unit; the process when violation occurs storing unit; and, the resource managing unit, is effected at least in part by a hardware processor.~~

6. (Currently Amended) A computer resource managing method for an information terminal, wherein said information terminal,

refers to a resource limit value storing unit which stores a limit value of the computer resource usable by a virtual machine, when a request for securing the resource is received from a plurality of virtual machines, where each virtual machine is configured to sequentially execute, on an OS (Operating System), plural intermediate code programs that are each a program represented by an intermediate code;

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is lower than said limit value, requests said OS to secure the computer resource in response to the request

if the computer resource that ~~becomes available~~ is used for said virtual machine by securing the computer resource in response to the request is equal to or higher than said limit value, does not request said OS to secure the computer resource in response to the request; and request, and a number of times said virtual machine requests computer resource that exceeds a limit value is incremented by 1.

~~if the computer resource that becomes available for said virtual machine by securing the computer resource in response to the request~~ a number of times said virtual machine requests said computer resource that exceeds said limit value is

equal to or higher than ~~said limit value~~violation count stored in a process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine and computer resource, ~~refers to a process when violation occurs storing-unit to store a process to handle a case when a virtual machine requests computer resource exceeding limit value for each combination of a virtual machine and computer resource, specifies the process to handle a case corresponding to a combination of the virtual machine sending said request and computer resource requested by said virtual machine, and executes the specified process to handle a case~~ stored in said process-when-violation-occurs-storing-unit, associated with each combination of said virtual machine, computer resource, and violation count, is executed.

7. (New) An information terminal comprising,
 - a hardware processor;
 - a plurality of virtual machines which execute, on an OS (Operating System), one or more intermediate code programs that are programs representing intermediate code;
 - a resource limit value storing unit which stores, for each virtual machine of the plurality of virtual machines, a respective limit value for each type of computer resource of one or more computer resource which is usable by said each virtual machine;
 - a process-when-violation-occurs-storing-unit which stores, for said each type of computer resource for said each virtual machine, a violation count and a process

to invoke when a number of times said each virtual machine violates said limit value for said each type of computer resource; and

a resource managing unit in which when a request for securing a subject computer resource is received from a subject virtual machine, the limit value stored in said resource limit value storing unit for a type of computer resource corresponding to said subject computer resource and assigned to said subject virtual machine which sends the request for securing a resource, is referred to, and

wherein said information terminal is so configured that:

if a cumulative computer resource which would be used by said subject virtual machine by securing the subject computer resource in response to the request, is lower than said limit value, said OS is requested to secure the computer resource in response to the request;

if said cumulative computer resource which would be used by said virtual machine by securing the subject computer resource in response to the request, is equal to or higher than said limit value, said OS is not requested to secure the computer resource in response to the request, and the number of times said subject virtual machine violates said limit value, for a type of computer resource corresponding to said subject computer resource, is incremented by 1; and

if the number of times said subject virtual machine violates said limit value for said type of computer resource corresponding to said subject computer resource, is equal to or higher than said violation count, said process stored in said process-when-violation-occurs-storing-unit for said subject virtual machine and corresponding to said type of computer resource, is invoked.